

FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	$x = a$ is a vertical line perpendicular to _____.	<p>A. x - axis</p> <p>B. x - axis may be</p> <p>C. y - axis</p> <p>D. None of these</p>
2	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	<p>A. Maximum</p> <p>B. Corner</p> <p>C. Minimum</p> <p>D. None of these</p>
3	Non-vertical lines divide the plane into _____ half plane:	<p>A. Upper and lower</p> <p>B. Many</p> <p>C. Left and Right</p> <p>D. None of these</p>
4	$x = 4$ is the solution of inequality:	<p>A. $x + 3 > 0$</p> <p>B. $x - 3 < 0$</p> <p>C. $-2x + 3 > 0$</p> <p>D. $x + 3 < 0$</p>
5	A corner point is the point of intersection of:	<p>A. x-axis & y - axis</p> <p>B. Boundary lines</p> <p>C. Any two lines</p> <p>D. None</p>
6	There are _____ feasible solutions in the feasible region:	<p>A. Finitely</p> <p>B. Two</p> <p>C. Infinitely many</p> <p>D. Three</p>
7	The feasible solution, which maximizes or minimizes the objective function, is called the _____:	<p>A. Maximum solution</p> <p>B. Optimal solution</p> <p>C. Minimum solutions</p> <p>D. None of these</p>
8	A solution of a linear inequality in x and y is an ordered pair of numbers, which _____ the inequality.	<p>A. Does not satisfy</p> <p>B. May be satisfied</p> <p>C. Satisfies</p> <p>D. None of these</p>
9	Question Image <input type="text"/>	<p>A. Left or right</p> <p>B. Upper or lower</p> <p>C. Open</p> <p>D. None of these</p>
10	$ax + b > c$ is an inequality of:	<p>A. One variable</p> <p>B. Three variable</p> <p>C. Two variable</p> <p>D. Four variable</p>
11	The graph of linear equation of the form $ax + by = c$ is a _____ where a, b and c are constants and a, b are not both zero.	<p>A. Curve</p> <p>B. Circle</p> <p>C. Straight line</p> <p>D. Parabola</p>
12	A line which divides a plane into two parts is called:	<p>A. Boundary point</p> <p>B. Boundary line</p> <p>C. Feasible line</p> <p>D. None</p>
13	Question Image <input type="text"/>	<p>A. Open</p> <p>B. Closed</p> <p>C. Open as well as closed</p> <p>D. None of these</p>
14	The non-negative inequalities are called:	<p>A. Parameters</p> <p>B. Constants</p> <p>C. Decision variables</p> <p>D. Vertices</p>
15	If the line segment obtained by joining any two points of a region lies entirely within the region, then the region is called _____:	<p>A. Maximum</p> <p>B. Vertex</p> <p>C. Minimum</p> <p>D. Convex</p>

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Question Image

- A. Above
- B. Left
- C. Below
- D. Right

17

Question Image

- A. At
- B. Not on
- C. On
- D. None of these

18

Question Image

- A. One variable
- B. Three variable
- C. Two variable
- D. Four variable

19

Question Image

- A. (1, 1)
- B. (1, 3)
- C. (1, 4)
- D. (1, 5)

20

$x = 2$ is a vertical line perpendicular to _____:

- A. x - axis
- B. x - axis may be
- C. y - axis
- D. None of these